KENWOOD

Listen to the Future

ADVANCED WIRELESS COMMUNICATIONS

# TK-2140/3140

## VHF/UHF FM Portable Radios

FleetSync® by KENWOOD

### GENERAL FEATURES

- 5 W (136-174 MHz)
- 4 W (450-490, 470-512, 400-430 MHz)
- 32 Conventional & LTR® Systems[1]
- 10 Character Alphanumeric Aliases
- Lighted Dot Matrix LCD
- 3-Digit Sub-Display
- Function / Status LCD Icons
- Transmit / Busy / Call Alert / Warn LED
- 4 Front Panel PF keys
- 2 Side PF Keys
- Orange Emergency / AUX Key
- 500 mW Speaker Audio
- Companded Audio
- Emergency Call Features
- DTMF Encode / Decode[2]
- Time Out Timer
- Busy Channel Lockout
- LCD Battery Status Indicator
- Low Battery Alert
- Battery Saver
- Weather-sealed ACC Connector
- MIL-Spec Speaker Mic Option
- Windows® Programming & Tuning[3]
- Windows® Firmware Uploading[3]
- Front Panel Test / Tune
- Cloning
- MIL-STD-810 C/D/E/F
- MIL-STD "Driven-Rain"
- Intrinsically Safe Option

### CONVENTIONAL SYSTEMS

- 250 Channels
- QT / DQT
- Two-Tone Decode[4]
- Operator Selectable Tone[4]
- Single Priority Scan
- Single & Multi-Group Scan

### TRUNKED SYSTEMS

- 250 GID
- Kenwood LTR® Features[5]

### FleetSync®

- PTT ID Digital ANI
- Selective Call & Group Call
- Status Messaging
- Emergency Status
- Caller ID Display
- Short Text Messages[6]

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# SAFETY WARNINGS

**HIGH PRESSURE FLUID CAN CAUSE SERIOUS INJURY. FOR PROFESSIONAL USE ONLY.**
**OBSERVE ALL WARNINGS. Read And Understand All Instruction Manuals Before Operating Equipment.**

## MOVING PARTS HAZARD

**KEEP HANDS AND FINGERS AWAY FROM THE PRIMING PISTON DURING OPERATION AND WHENEVER THE PUMP IS CHARGED WITH AIR to reduce the risk of injury!** On the pump downstroke the priming piston extends beyond the intake cylinder to pull the material into the pump. The priming piston works under extreme force. During operation and whenever the pump is charged with air, the priming piston can severely injure or amputate a hand or finger, or break a tool, caught between it and the intake cylinder. Always follow the **Pressure Relief Procedure**, below, before checking, clearing, cleaning, flushing or servicing any part of the pump.

The air motor piston (located behind the air motor shield) also moves when air is supplied to the motor. NEVER operate the pump with the air motor shield removed. Before servicing the pump, follow the **Pressure Relief Procedure** below to prevent the pump from starting accidentally.

## FLUID INJECTION HAZARD

### General Safety

This equipment generates very high fluid pressure. Spray from the gun/valve, leaks or ruptured components can inject fluid through your skin and into your body and cause extremely serious bodily injury, including the need for amputation. Also, fluid injected or splashed into the eyes or on the skin can cause serious damage.

NEVER point the gun/valve at anyone or at any part of the body. NEVER put hand or fingers over the spray tip/nozzle, or over the bleeder valve hole.

ALWAYS follow the **Pressure Relief Procedure**, right, before cleaning or removing the spray tip/nozzle or servicing any system equipment.

NEVER try to stop or deflect leaks with your hand or body.

Be sure equipment safety devices are operating properly before each use.

### Medical Alert—Airless Spray Wounds

If any fluid appears to penetrate your skin, get **EMERGENCY MEDICAL CARE AT ONCE. DO NOT TREAT AS A SIMPLE CUT.** Tell the doctor exactly what fluid was injected.

> **Note to Physician:** *Injection in the skin is a traumatic injury.* **It is important to treat the injury surgically as soon as possible.** *Do not delay treatment to research toxicity. Toxicity is a concern with some exotic coatings injected directly into the blood stream. Consultation with a plastic surgeon or reconstructive hand surgeon may be advisable.*

### Spray Gun/Dispensing Valve Safety Devices

Be sure all gun/valve safety devices are operating properly before each use. Do not remove or modify any part of the gun/valve; this can cause a malfunction and result in serious bodily injury.

#### *Safety Latch*

Whenever you stop spraying/dispensing, even for a moment, always set the gun/valve safety latch in the closed or "safe" position, making the gun/valve inoperative. Failure to set the safety latch can result in accidental triggering of the gun/valve.

#### *Trigger Guard (only on spray guns)*

Never operate the spray gun with the trigger guard removed. This guard helps prevent the spray gun from triggering accidentally if it is dropped or bumped.

#### *Diffuser (only on spray guns)*

The spray gun diffuser breaks up spray and reduces the risk of fluid injection when the tip is not installed. Check the diffuser operation regularly. Follow the **Pressure Relief Procedure**, to the right, then remove the spray tip. Alm the spray gun into a grounded metal pail, holding the spray gun firmly to the pail. Using the lowest possible pressure, trigger the spray gun. If the fluid emitted is not diffused into an irregular stream, replace the diffuser immediately.

#### *Tip Guard (only on spray guns)*

ALWAYS have the tip guard in place on the spray gun while spraying. The tip guard alerts you to the fluid injection hazard and helps reduce, **but does not prevent,** the risk of accidentally placing your fingers or any part of your body close to the spray tip.

### Spray Tip/Nozzle Safety

Use extreme caution when cleaning or changing spray tips/nozzles. If the spray tip/nozzle clogs while spraying/dispensing, engage the gun/valve safety latch immediately. ALWAYS follow the **Pressure Relief Procedure** and then remove the spray tip/nozzle to clean it.

NEVER wipe off build–up around the spray tip/nozzle until pressure is fully relieved and the gun/valve safety latch is engaged.

### Pressure Relief Procedure

To reduce the risk of serious bodily injury, including fluid injection, splashing in the eyes or on the skin, or injury from moving parts, always follow this procedure whenever you shut of f the pump, when checking or servicing any part of the spray/dispensing system, when installing, cleaning or changing spray tips/nozzles, and whenever you stop spraying/dispensing.

1. Engage the gun/valve safety latch.
2. Shut off the air to the pump.
3. Close the bleed–type master air valve (required in your system).
4. Disengage the safety latch.
5. Hold a metal part of the gun/valve firmly to the side of a grounded metal pail, and trigger the gun/valve to relieve pressure.
6. Engage the gun/valve safety latch.
7. Open the drain valve and/or the pump bleeder valve (required in your system), having a container ready to catch the drainage.
8. Leave the drain valve open until you are ready to spray/dispense again.

If you suspect that the spray tip/nozzle or hose is completely clogged, or that pressure has not been fully relieved after following the steps above, VERY SLOWLY loosen the tip guard retaining nut, nozzle, or hose end coupling and relieve pressure gradually, then loosen completely. Now clear the tip/nozzle or hose.



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5. Während eines Gewitters die Anlage gegebenenfalls vom Spannungsnetz trennen. Sonst besteht Brand- und/oder Stromschlaggefahr.
6. Die Monitor-Sprechstelle nicht mit einem Tuch o.Ä. abdecken. Das kann zur Überhitzung und zur Beschädigung der Stelle führen.

## ALLGEMEINE VORSICHTSMASSNAHMEN

1. Dieses Gerät wurde ausschließlich für den Betrieb in Innenbereichen entworfen. Nicht in Außenbereichen montieren.
2. Bei Wandinstallationen können Geräte verschmutzen. Mit einem weichen Tuch reinigen.
3. In unmittelbarer Nähe von Sendemasten kann es durch Hochfrequenzstörungen zu Beeinträchtigungen der Anlage kommen.
4. Eine leichte Erwärmung der Gehäuseteile bedeutet keine Fehlfunktion.
5. Mobiltelefone, die in unmittelbarer Nähe der Anlage benutzt werden, können die Anlage stören.
6. Wir weisen im Voraus darauf hin, dass der LCD-Bildschirm, obwohl mit höchster Präzision hergestellt, unausweichlich Pixel (kleinste Bildpunkte) aufweist, die entweder kontinuierlich beleuchtet sind oder nicht beleuchtet werden. Das ist keine Fehlfunktion.
7. Radio- und Fernsehgeräte mehr als 1 m von der Anlage entfernt halten.
8. Die Anlagenverdrahtung nach Möglichkeit mindestens 30 cm von AC240V-Leitungen, Neonbeleuchtung, Dimmerschaltern entfernt halten. AC240V-Leitungen möglichst in einem Winkel von 90° kreuzen.
9. Außengeräusche an den Türsprechstellen können möglicherweise die durch Sprachsignale gesteuerte Übertragung (VOX) zwischen den Sprechstellen beeinträchtigen. Das ist keine Fehlfunktion.

# PRECAUCIONES

Español

Prohibiciones generales | Prohibición de desmontar la unidad | Prohibición de exponer al agua la unidad | Precauciones generales

## ⚠ ADVERTENCIA

*(No seguir estas instrucciones podría provocar daños graves o incluso mortales)*

1. La tensión en el interior es muy elevada. No abra la caja. Podría sufrir descargas eléctricas.
2. No desmonte ni altere nada en la unidad. Existe peligro de incendio o descargas eléctricas.
3. No conecte ninguna fuente de alimentación que no sean las especificadas a los terminales + y -, ni instale dos fuentes en paralelo a una única unidad. Existe peligro de incendio o descargas eléctricas.
4. Mantenga la unidad alejada del agua o cualquier otro líquido. Existe peligro de incendio o descargas eléctricas.
5. No introduzca ningún objeto metálico por las aperturas de la unidad. Podría sufrir descargas eléctricas o causar incendio o daños a la unidad.
6. Si se utilizan cables del timbre ya existentes, es posible que estos contengan tensión de CA. Por consiguiente, existe el riesgo de sufrir descargas eléctricas o causar daños a la unidad. Solicite la asistencia de un técnico cualificado.
7. Tenga cuidado con las herramientas afiladas, podría dañar la pantalla LCD. Si se derramara el cristal líquido, tenga cuidado de que no entre en contacto con la piel y lávelo inmediatamente con agua.
8. No enchufe ni desenchufe la unidad con las manos mojadas. Podría sufrir descargas eléctricas.
9. No someta la cubierta del monitor a alta presión. Si se rompiera, podría sufrir heridas.
10. No utilice fuentes de alimentación de CC de una tensión distinta a la especificada. Existe peligro de incendio o descargas eléctricas.

## ⚠ PRECAUCION

*(No seguir estas instrucciones podría causar daños físicos o materiales)*

1. Antes de encender la unidad, asegúrese de que no hay ningún cable cruzado o en cortocircuito. Existe peligro de incendio o descargas eléctricas.
2. Cuando monte la unidad en la pared, hágalo en un lugar apropiado, donde no pueda golpearlo o moverlo. De lo contrario, existe el peligro de sufrir heridas.
3. No conecte ningún cable mientras la unidad esté conectada a la fuente de alimentación. Existe el riesgo de sufrir descargas eléctricas o causar daños a la unidad.
4. No instale la unidad en ninguno de los lugares siguientes. Podría sufrir descargas eléctricas o causar incendio o daños a la unidad. * Lugares expuestos directamente a la luz solar o cerca de aparatos calefactores que puedan variar la temperatura. * Lugares en los que haya polvo, aceite o productos químicos. * Lugares con mucha humedad, como cuartos de baño, sótanos, invernaderos, etc. * Lugares en los que la temperatura sea demasiado baja, como dentro de un lugar refrigerado o en frente del acondicionador de aire.
5. En caso de tormenta eléctrica, desenchufe la unidad de la toma de CA. De lo contrario, podrían producirse incendios o descargas eléctricas.
6. No cubra la estación con monitor con telas, etc. ni coloque nada encima. Podría provocar incendios o dañar la unidad.

## PRECAUCIONES GENERALES

1. Esta unidad es para uso doméstico. No la utilice en el exterior.
2. Al instalar la unidad en la pared, límpiela de polvo con un trapo suave.
3. En las áreas próximas a antenas de radiodifusión, el sistema de intercomunicación puede sufrir interferencias provocadas por las frecuencias de las ondas de radio.
4. La caja de la unidad puede calentarse ligeramente con el uso, pero ello no indica ningún problema de funcionamiento.
5. Es posible que la unidad no funcione correctamente debido a las interferencias de un teléfono móvil cercano.
6. Es posible que, a pesar de la precisión de las técnicas empleadas en su fabricación, el panel LCD tenga alguna pequeña parte de la imagen constantemente iluminada o no iluminada en absoluto, si bien esto no debe considerarse como una anomalía.
7. Mantenga la unidad alejada a más de 1 m de la radio o la TV.
8. Si se utiliza la estación próxima a aparatos de oficina, radio o TV, se producirán interferencias entre unos y otros. Escoja bien los emplazamientos tanto para la instalación como para el funcionamiento.
9. El ruido ambiente del lugar donde se encuentre el portero puede interferir con el sistema de activación por voz en la comunicación entre estaciones, pero esto no indica ninguna avería.

# VOORZORGSMAATREGELEN

Nederlands

Algemeen verbod | Verbod het toestel te demonteren | Verbod het toestel in water onder te dompelen | Algemene voorzorgsmaatregelen

## ⚠ WAARSCHUWING

*(niet-naleving kan de dood of ernstige verwonding van mensen veroorzaken)*

1. Hoge spanning aanwezig in het toestel. De behuizing niet openen. Dit kan een elektrische schok veroorzaken.
2. Het toestel niet demonteren of veranderen. Dit kan brand of een elektrische schok veroorzaken.
3. Sluit enkel de opgegeven voedingsbron aan op de aansluitingen +, -, sluit ook geen twee stroomvoorzieningen parallel aan op eenzelfde toevoer. Dit kan brand of een elektrische schok veroorzaken.
4. Houd het toestel uit de buurt van water of andere vloeistoffen. Dit kan brand of een elektrische schok veroorzaken.
5. Steek geen metalen voorwerpen door de openingen in het toestel. Dit kan brand, een elektrische schok of een storing van het toestel veroorzaken.
6. Wanneer u bestaande heltoondraden gebruikt, is het mogelijk dat deze AC-spanning bevatten. Dit kan een elektrische schok of storing van het toestel veroorzaken. Neem contact op met een vakman.
7. Het LCD-paneel niet aanraken met een scherp werktuig. Dit kan beschadiging van de LCD-display veroorzaken. Als de vloeibare kristallen lekken, vermijd dan elk contact met de huid, en reinig onmiddellijk met water.
8. Nooit de stekker insteken of uittrekken met natte handen. Dit kan een elektrische schok veroorzaken.
9. Zet geen hoge druk op de monitorafdekking. Bij breuk kan dit verwondingen veroorzaken.
10. Gebruik geen DC-voeding met een andere spanning dan opgegeven. Dit kan brand of een elektrische schok veroorzaken.

## ⚠ OPGELET

*(niet-naleving kan verwondingen van mensen of beschadigingen van eigendommen veroorzaken)*

1. Controleer of de draden niet gekruist of kortgesloten zijn alvorens de voeding in te schakelen. Dit kan brand of een elektrische schok veroorzaken.
2. Wanneer u het toestel tegen een muur monteert, installeer het dan op een gemakkelijke plaats, waar het veilig is voor stoten en schokken. Dit kan verwondingen veroorzaken.
3. Sluit geen draden aan met de stroomtoevoer ingeschakeld. Dit kan een elektrische schok of een storing van het toestel veroorzaken.
4. Installeer het toestel niet op een van de volgende plaatsen. Dit kan brand, een elektrische schok of een storing van het toestel veroorzaken.* Op een plaats in direct zonnelicht, of in de buurt van een verwarmingstoestel waar de temperatuur sterk kan schommelen. * Op een plaats met veel stof, olie of chemicaliën. * Op een plaats met een extreme vochtigheidsgraad, zoals een hadkamer, kelder, serre enz. * Op plaatsen waar de temperatuur erg laag is, zoals in een koelzone of voor de airconditioning.
5. In geval van elektrische stormen de stekker van het toestel uit het stopcontact trekken. Doet u dit niet dan kan dit brand of een elektrische schok veroorzaken.
6. Bedek de monitorpost nooit met een doek enz., plaats er ook nooit iets op. Dit kan brand of beschadiging van het toestel veroorzaken.

## ALGEMENE VOORZORGSMAATREGELEN

1. Het toestel is uitsluitend bedoeld voor gebruik binnenshuis. Het toestel nooit buiten plaatsen.
2. Indien gemonteerd tegen de muur, kan het toestel stoffig worden. Reinig met een zacht doek.
3. In de buurt van zendmasten kan het intercomsysteem gestoord worden door de radiofrequentie.
4. Tijdens het gebruik kan het toestel enigszins warm worden, dit is geen gebrek in de werking.
5. Als er een GSM in de buurt van het toestel wordt gebruikt, kan dit storingen veroorzaken.
6. Hierbij moet worden opgemerkt dat op het LCD-paneel, ook al is het gemaakt volgens zeer hoge technische normen, onvermijdelijk een klein deel van de heeldelementen constant zal branden of helemaal niet, dit wordt niet beschouwd als een storing.
7. Houd het toestel meer dan 1 m verwijderd van een radio- of tv-toestel.
8. Als de monitorpost wordt gebruikt in de buurt van computers, radio- of tv-toestellen, worden deze interactief beïnvloed door de radiofrequentie. Bepaal zorgvuldig de plaats voor installatie en gebruik.
9. Omgevingslawaai aan de deurpost kan invloed hebben op de spraakgestuurde communicatieschakeling (VOX) tussen de posten. Dit is geen storing.



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*continued*

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# Troubleshooting

| Problem | Possible Cause | Remedy |
|---|---|---|
| Failure to start or no air delivery | 1. No electrical power to unit<br>• Fuse blown<br>• Circuit breaker tripped<br>• Electric cord unplugged or damaged | 1. Check power<br>• Replace fuse<br>• Reset breaker<br>• Plug in cords or replace if damaged |
| | 2. Belt too loose or tight | 2. Adjust belt tension |
| | 3. Motor overheated<br>• Belt too tight<br>• Blower bearings dry | 3. Determine cause of overheating<br>• Adjust belt tension<br>• Oil blower bearings |
| | 4. Motor locked | 4. Replace motor |
| Inadequate air delivery with cooler running | 1. Insufficient air exhaust | 1. Open windows or doors to increase air flow |
| | 2. Belt too loose | 2. Adjust belt tension or replace if needed |
| | 3. Pads plugged | 3. Replace pads |
| Inadequate cooling | 1. Inadequate exhaust in house | 1. Open windows or doors to increase air flow |
| | 2. Pads not wet<br>• Pads plugged<br>• Open spots in pads<br>• Trough holes clogged<br>• Pump not working properly | 2. Check water distribution system<br>• Replace pads<br>• Repack pads<br>• Clean trough and unplug holes<br>• Replace or clean pump (Unplug unit) |
| Motor cycles on and off | 1. Low voltage | 1. Check voltage |
| | 2. Excessive belt tension | 2. Adjust belt tension |
| | 3. Blower shaft tight or locked | 3. Oil or replace bearings (Unplug unit) |
| | 4. Bearings dry | 4. Oil bearings |
| Noisy | 1. Bearings dry | 1. Oil bearings |
| | 2. Wheel rubbing blower housing | 2. Inspect and realign (Unplug unit) |
| | 3. Loose parts | 3. Tighten loose parts |
| Excessive humidity in house | 1. Inadequate exhaust | 1. Open doors or windows |
| Musty or unpleasant odor | 1. Stale or stagnate water in cooler | 1. Drain pan and clean pads |
| | 2. Pads mildewed or clogged | 2. Replace pads |
| | 3. Pads not wetting properly<br>• Trough holes clogged<br>• Pump not working properly | 3. Check water distribution system<br>• Clean<br>• Replace or clean pump (Unplug unit) |
| Water draining from cooler | 1. Float arm not adjusted properly | 1. Adjust float |
| | 2. Overflow assembly leaking | 2. Tighten nut and overflow pipe. |

***Register your product online at www.championcooler.com/index.php/cooler-warranty-registration***

## Limited Warranty

This warranty is extended to the original purchaser of an evaporative cooler installed and used under normal conditions. It does not cover damages incurred through accident, neglect, or abuse by the owner. We do not authorize any person or representative to assume for us any other or different liability in connection with this product.

### Terms And Conditions Of The Warranty

For Eight Years from date of purchase, we will replace the original base assembly if water leakage should occur due to rust out.

For One Year from date of purchase, we will replace any original component provided by Champion Cooler which fails due to any defect in material or factory workmanship only.

### Exclusions From The Warranty

We are not responsible for replacement of cooler pads. These are disposable components and should be replaced periodically. We are not responsible for any incidental or consequential damage resulting from any malfunction.

We are not responsible for any damage received from the use of water softeners, chemicals, descale material, plastic wrap, or if a motor of a higher horsepower than what is shown on the serial plate is used in the unit.

We are not responsible for the cost of service calls to diagnose cause of trouble, or labor charge to repair and/or replace parts.

For limited warranty to be valid the evaporative cooler must be maintained per the Maintenance Section of this manual.

### How To Obtain Service Under This Warranty

Contact the Dealer where you purchased the evaporative cooler. If for any reason you are not satisfied with the response from the dealer, contact the Customer Service Department: 5800 Murray Street, Little Rock, Arkansas 72209. 1-800-643-8341. Email: info@championcooler.com.

**This limited warranty applies to the original purchaser only.**



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# Quick Installation Guide

1. Unpack the AcerHub ALH-616ds dual-speed Hub and it'saccessories (refer section 1.3).
2. Connect the Hub to the external Power supply (refer to section 2.4.1)
3. Use the normal ports to connect to PCs and computers.
4. Use the uplink port to connect to another hub or LAN switch.

# Industry Canada statement:

English

This device complies with RSS-210 of the Industry Canada Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Ce dispositif est conforme à la norme CNR-210 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

**Caution:**

(i) the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

(ii) high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

**Avertissement:**

(i) les dispositifs fonctionnant dans la bande 5 150-5 250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

(ii) De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5 250-5 350 MHz et 5 650-5 850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

**Radiation Exposure Statement:**

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

**Déclaration d'exposition aux radiations:**

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

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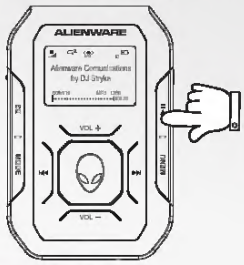
# CONNECTION

## POWER ON:

ON/OFF/PLAY/PAUSE/STOP

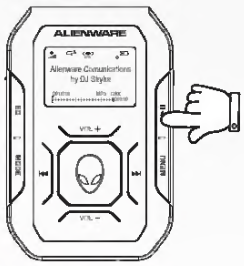


NOTE: When the player is turned on it will be in the MUSIC mode.

Press " ▶|| " to turn on the player.

## POWER OFF:

ON/OFF/PLAY/PAUSE/STOP



Press " ▶|| " and hold to turn off the player.



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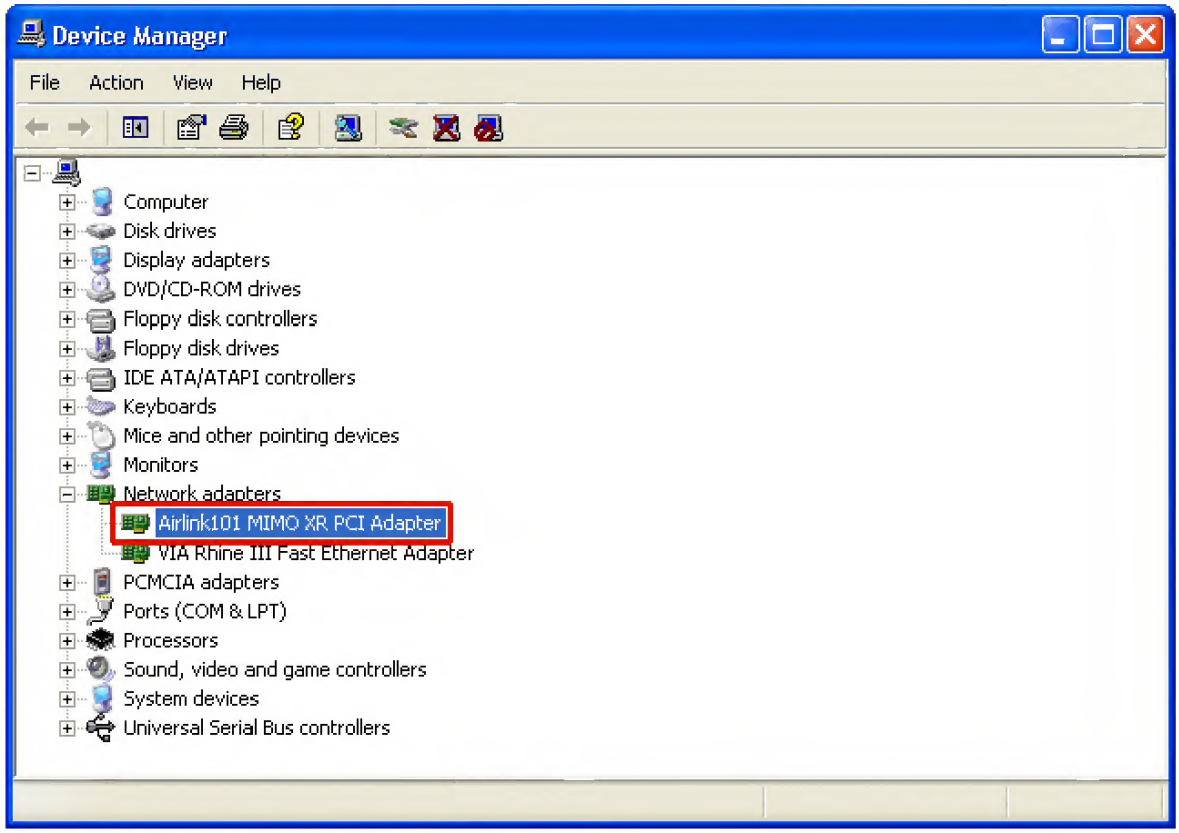
**Step 3** Expand **Network adapters** from the list and verify that **Airlink101 MIMO XR PCI Adapter** is listed and no yellow question mark is beside it.




If **Airlink101 MIMO XR PCI Adapter** is not listed, or you see a yellow question mark beside it, please re-install the driver again.



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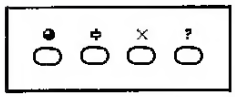
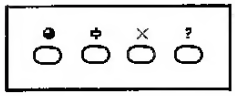
# Additional features



**To select a subcode page**
(Subcode peges are sub-sections of long Teletext pages that can only be displayed on the screen one section at a time.)
- Select the required Teletext page.
- Press the ◕ button.
- Press e digit button (for the required subcode page).
- If the subcode page is not immediately available then press the ✕ button to return to the TV programme. When the subcode page becomes eveilable the subcode number is displayed in the top left corner of the screen.



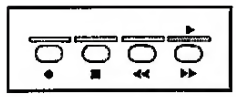
- Press the ✕ button to display the subcode page.

**note:** Time-planned and subcode pages are only available with certain pages on some Teletext broadcasts.

**To select e Teletext subtitled TV programme**
(Subtitles can only be displayed on the screen if the TV station adds this facility to the TV programme - check with a TV programme guide.)
- Select the Teletext page indicated in the TV programme guide.

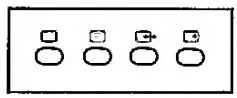
The TV programme with subtitles now appears on the TV screen.

**To 'fast' select Teletext peges**
(Sometimes a page of Teletext information can be selected quickly.)

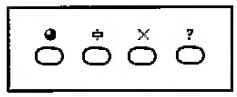


- The next sequential page of Teletext information cen be selected by pressing the RED button (e.g. page 101 can be selected after page 100).

**or,**
The subject-heeding for the information may have a particular colour, or can be placed inside a coloured box.
- Press an appropriate RED, GREEN, YELLOW or BLUE button.

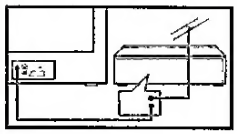


**To exit Teletext**
- Press the ▢ button. The previously selected TV station appears again on the screen.



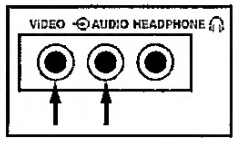
**To display the time**
- Press the ◕ button. The current time is displayed in the top right corner of the screen. (e.g. 21.00).
- Press the ◕ button again to remove the time display.

**note:** The time can only be displayed when Teletext is available on the selected TV station.



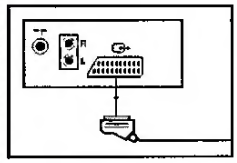
**TV To connect a video recorder**
(First you must refer to the operating manual supplied with your video recorder for connection details.)
- Switch off the TV before connecting the video recorder.
- Connect the TV aerial cable to the "I" input on the video recorder.
- Connect one side of the cable supplied with the video recorder to the TV output of the video recorder and the other side of the cable to the "I" input of the TV.

**Additionally,**




- A video recorder or camcorder can be connected at the video/audio input sockets (cinch type) at the front of the TV for 'playback' of tapes only.

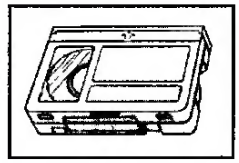
**or,**



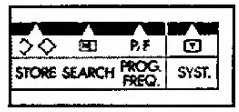
- The video recorder can also be connected at the Euroconnector socket at the back of the TV (a support-bracket is also provided for the Euroconnector cable on the back of the TV). The Euroconnector gives the advantage of stereo sound reproduction from a suitable video recorder.

**note:** To obtain an optimal sound and picture signal we advise thet you do not connect the video/audio input sockets and the Euroconnector simultaneously.

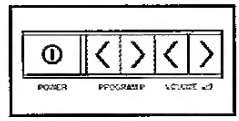
**TV To store the video recorder signal on a program number**
(After you have connected the video recorder to the "I" socket you can store the video recorder signal on a program number.)
- Switch on the TV.
- Open the control-panel flap on the TV.



1. Insert a pre-recorded tape in the video recorder, and press the 'PLAY' button on the video recorder.
2. Press the ◇ ◇ button so that the program number information is displayed.




3. Press the ⏭ button so that the TV automatically searches for the video signal. If necessary press this button again until the video signal is located.



4. Select an available program number by pressing the ❮ P or ❯ P program button on the TV.
5. Press the ◇ ◇ button to store the video signal on the selected program number.
6. Press the 'STOP" button on the video recorder.

- Close the control-panel flap on the TV.



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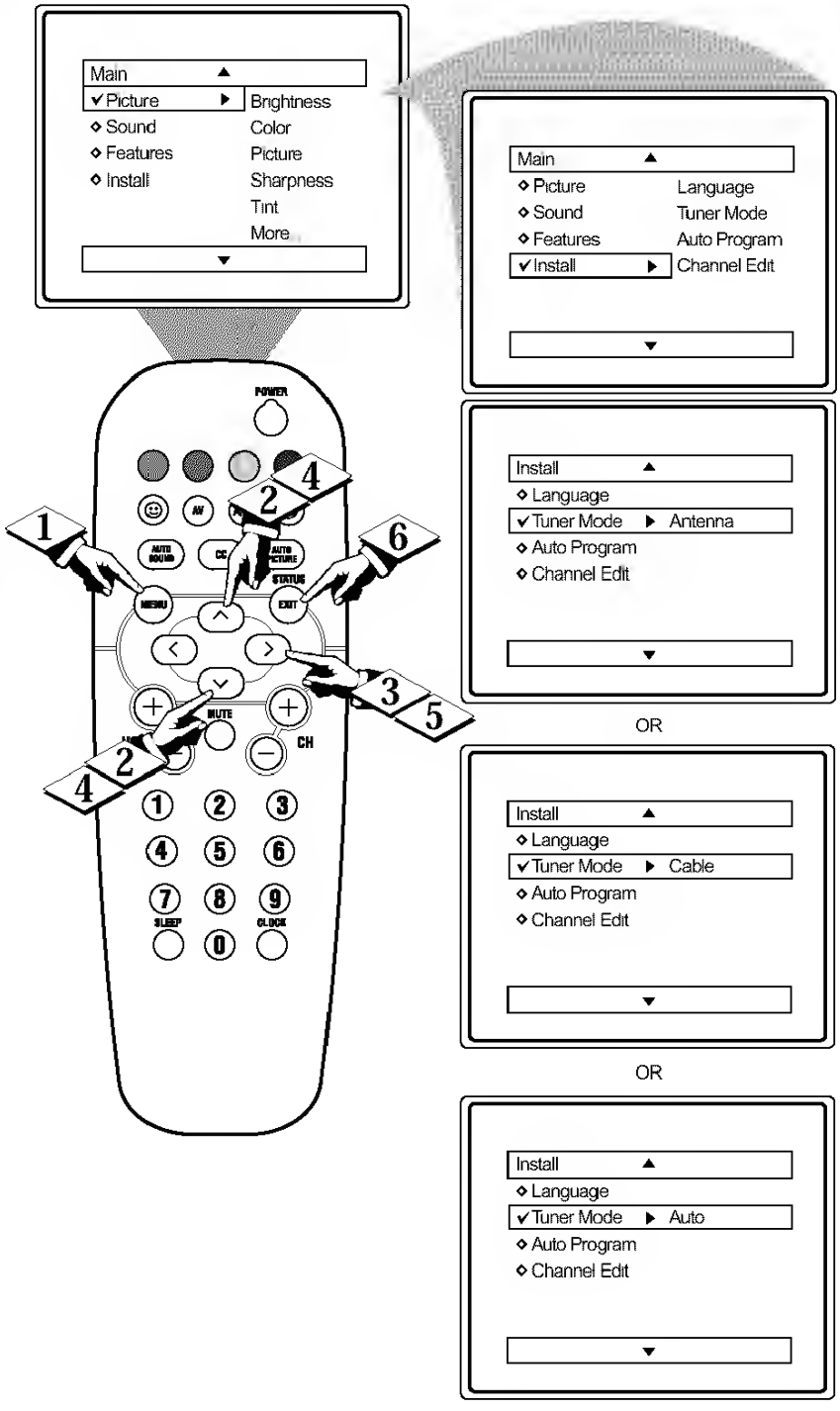
# How to Use the Tuner Mode Control

*The TUNER MODE control allows you to change the TV's signal input to either ANTENNA, CABLE or AUTO mode. It's important for the TV to know what type of signal to look for. (From a Cable TV signal or a normal Antenna signal.) In the AUTO mode, when the AUTO PROGRAM feature is activated, the TV will automatically choose the correct mode.*

**BEGIN**

1. **Press the MENU button** on the remote to show the on-screen menu.
2. **Press the CURSOR UP ▲ or DOWN ▼ buttons** to scroll through the on-screen menu until the word **INSTALL** is highlighted.
3. **Press the CURSOR RIGHT ▶ button** to display the **INSTALL** menu features.
4. **Press CURSOR UP ▲ or DOWN ▼ buttons** to scroll the Install features until the words **TUNER MODE** is highlighted.
5. **Press the CURSOR RIGHT ▶ button** to select either **ANTENNA, CABLE**, or **AUTO** mode.
6. **When finished, press the STATUS /EXIT button** to remove the on-screen menu from the TV's screen.

**STOP**




## Smart Help

When CABLE is selected, channels 1-125 are available.

When ANTENNA is selected, channels 2-69 are available.

When AUTO is selected, the TV will automatically set itself to the correct mode based on the type of signal it detects when the AUTO PROGRAM feature is activated.



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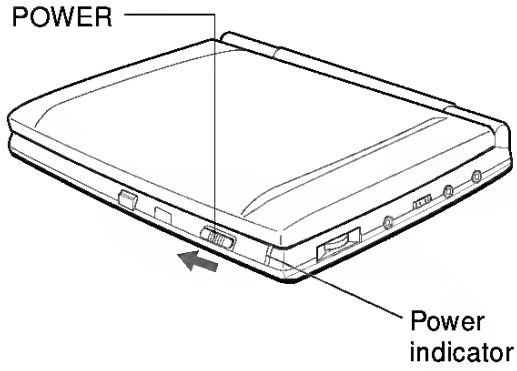
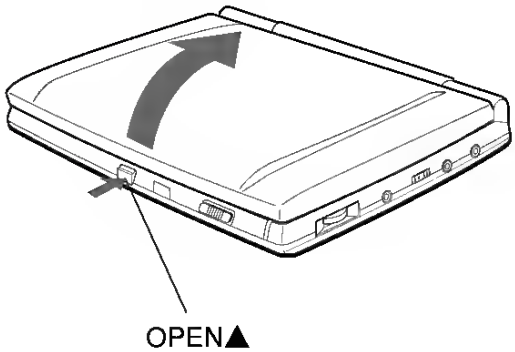
# Playing back

**1 Slide POWER switch on the main unit toward ON to turn the power on.**

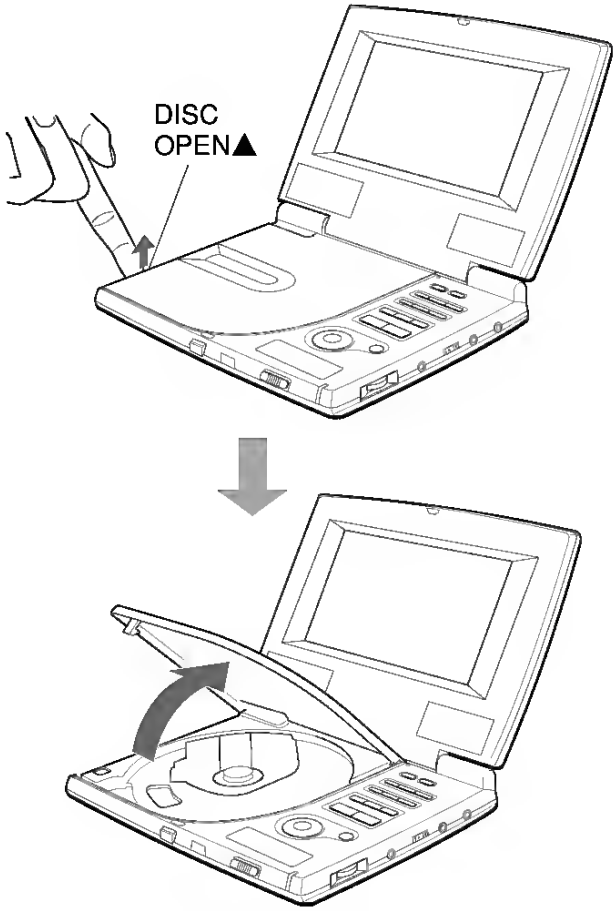
The power indicator lights.
The power cannot be turned on by POWER of the remote control.
When using with the battery pack, the power may not be turned on at once. In this case, turn the power on again after 3 seconds. If the unit is still not turned on, recharge the battery pack.




**2 Press OPEN▲ to open the display panel.**

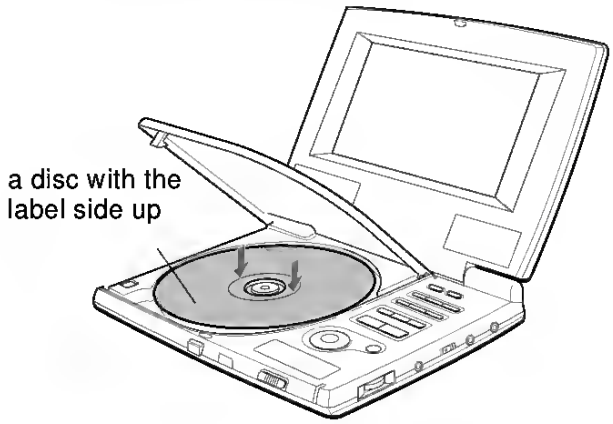



**3 Put your finger on the pit DISC OPEN▲ on the left side of this unit and open the disc cover.**




**4 Load a disc with the label side up and push down around the center of it.**

The disc is fixed with a click.




CONTINUE



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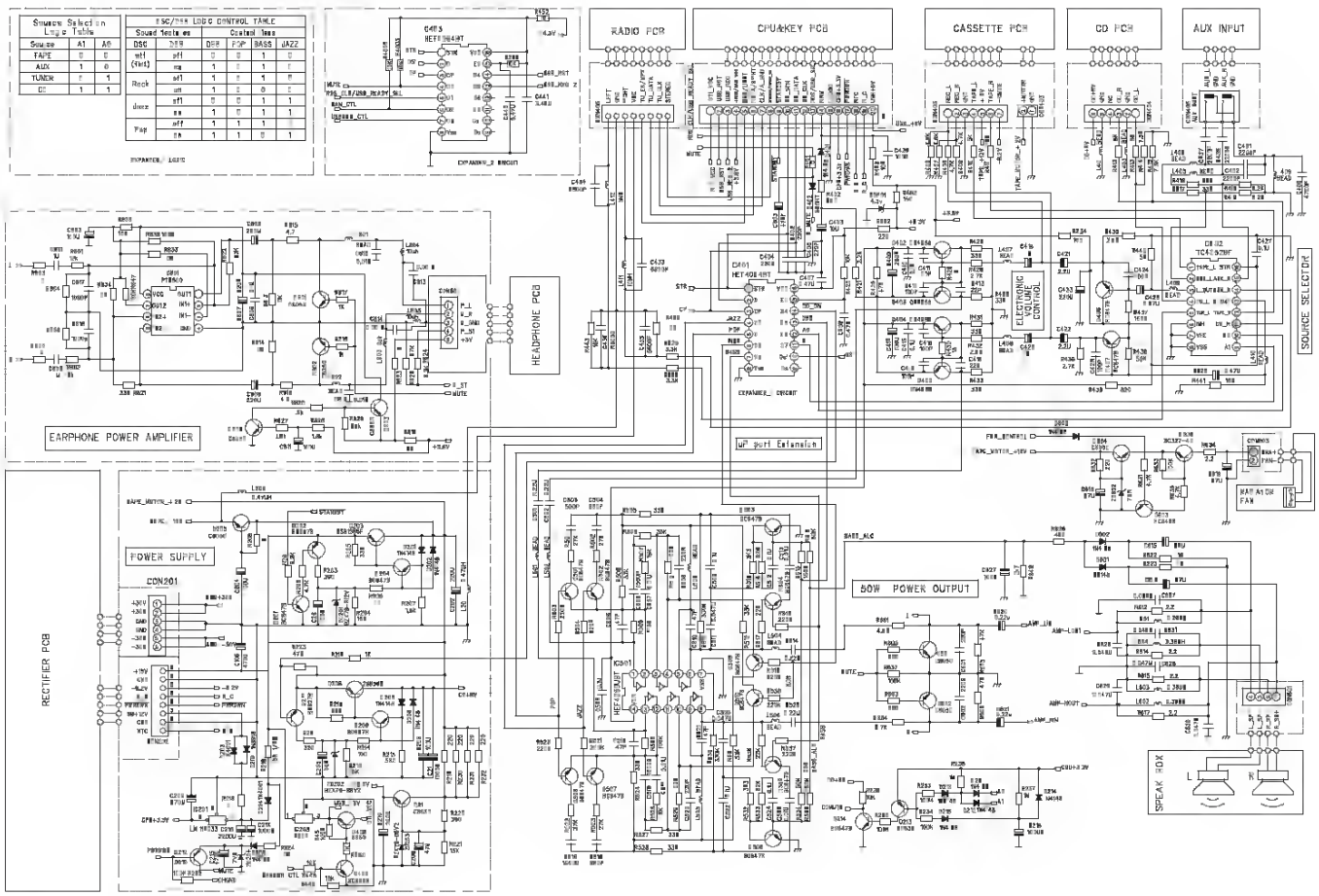
**CIRCUIT DIAGRAM - MAIN BOARD**
**PART 1**

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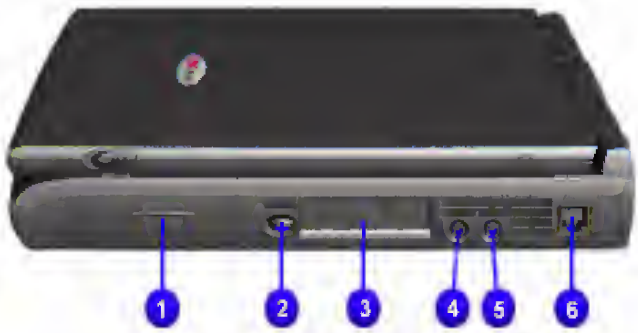
COMPAQ

# maintenance & service guide

**Presario 1600XL Series**

**Model 1600T, 1600-XL140, 1600-XL141, 1600-XL142, 1600-XL143, 1600-XL144, 1600-XL146, 1600-XL147, 1600-XL150 XL156, XL157, XL255, XL256, XL257, and XL258**

## *Right-Side Components*




| No. | Description |
|---|---|
| ❶ | Battery Compartment |
| ❷ | PC Card Eject Button |
| ❸ | PC Card Slot |
| ❹ | Headphone Jack |
| ❺ | Microphone Jack |
| ❻ | Modem Port |



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ES

# Especificaciones técnicas

| | FCA1616 | FCA610 |
|---|---|---|
| **Entradas Frontales** | | |
| Micrófono/instrumento | 4 | 2 |
| Previo | Diseño MIDAS | |
| Tipo | Conector combinado XLR / TRS | |
| Respuesta de frecuencia | 10 Hz - 40 kHz (+0 / -3 dB) @ 96 kHz de frecuencia de muestreo | |
| Rango dinámico | 102 dB, medición A | |
| Impedancia | entrada de instrumento : 1 MΩ / entrada de micrófono : 3 kΩ | |
| Rango de ganancia | +8 dB ~ +60dB | |
| Nivel de entrada máximo | +14 dBu | |
| Filtro de corte de graves | 75 Hz (-3 dB); 12 dB / octava | |
| Entrada Hi-Z | 1 MΩ ; solo no balanceado | |
| Atenuación o Pad | 15 dB | |
| **Entradas Traseras** | | |
| Entrada de línea | 4 | 2 |
| Tipo | TRS de 6,3 mm | |
| Respuesta de frecuencia @ 96 kHz | 10 Hz - 40 kHz (+0 / -3 dB) | |
| @ 48 kHz | 10 Hz - 22 kHz (+0 / -3 dB) | |
| Rango dinámico | 100 dB, medición A | |
| Impedancia | 47 kΩ | |
| Nivel de entrada máximo | +14 dBu | |
| **Inserciones** | | |
| Inserciones de entrada | 4 | N/A |
| Tipo | TRS de 6,3 mm | N/A |
| Impedancia | 47 kΩ | N/A |
| Nivel de entrada máximo | +21 dBu | N/A |
| **Salidas** | | |
| Salida de línea | 8 | |
| Tipo | TRS de 6,3 mm | |
| Respuesta de frecuencia @ 96 kHz | 10 Hz - 40 kHz (+0 / -3 dB) | |
| @ 48 kHz | 10 Hz - 22 kHz (+0 / -3 dB) | |
| Impedancia | 200 Ω | |
| Nivel de salida máximo | +8 dBu, balanceado | |
| **Salida de Auriculares** | | |
| Salidas de auriculares | 2 | |
| Tipo | TRS de 6,3 mm | |
| Respuesta de frecuencia | 22 Hz - 22 kHz (± 1 dB) | |
| Impedancia | 10 Ω | |
| Nivel de salida máximo | +22 dBu | |

| | FCA1616 | FCA610 |
|---|---|---|
| **E/S Audio Digital** | | |
| Tipo | Coaxial RCA – 1 entrada, 1 salida<br>Óptico TOS-LINK – 1 entrada, 1 salida | |
| Formatos admitidos | S/PDIF, ADAT, S/MUX | S/PDIF |
| **E/S MIDI** | | |
| Tipo | DIN de 5 puntas, 1 entrada, 1 salida | |
| **Procesado Digital** | | |
| Resolución del conversor | 24 bits | |
| Frecuencias de muestreo admitidas | 44,1, 48, 88,2, 96 kHz (USB/FW) | |
| **Conectividad de Bus de Ordenador** | | |
| USB | USB 2,0, tipo B | |
| FireWire | FireWire 400, 6 puntas IEEE 1394 | |
| **Software Admitido** | | |
| Sistemas operativos | Mac OS X / Windows XP (32 Bits), Vista (32 Bits), 7 (64 Bits) | |
| Drivers Mac | ninguno (admite CoreAudio/CoreMIDI) | |
| Drivers Windows | Driver FCA1616 USB (ASIO/WDM/MIDI) | Driver FCA610 USB (ASIO/WDM/MIDI) |
| (descárgueselo desde behringer.com) | Driver FCA IEEE 1394 comun (ASIO/WDM/MIDI) | |
| **Alimentación** | | |
| Voltaje | 100 a 240 V~, 50/60 Hz | |
| Consumo | 20 W | |
| **Dimensiones** | | |
| Dimensiones | 50 x 482,6 x 161 mm (2,0 x 19 x 6,3") | 50 x 241,3 x 161 mm (2,0 x 9,5 x 6,3") |
| Peso | 1,8 kg (4,0 lbs) | 1,1 kg (2,4 lbs) |

FIREWIRE, MAC Y OS X SOM MARCAS COMERCIALES DE APPLE INC , REGISTRADAS EN LOS ESTADOS UNIDOS DE AMÉRICA, ASÍ COMO EN OTRO PAÍSES. WINDOWS Y WINDOWS VISTA SON MARCAS REGISTRADAS O MARCAS COMERCIALES DE MICROSOFT CORPORATION EN LOS ESTADOS UNIDOS DE AMÉRICA Y/O EN OTROS PAÍSES. TODAS LAS MARCAS COMERCIALES, INCLUYENDO (PERO SIN QUE ESO SUPONGA LIMITACIÓN ALGUNA) ADAT, TOSLINK, ASIO, COREAUDIO, COREMIDI Y KENSINGTON SON MARCAS COMERCIALES O MARCAS REGISTRADAS DE SUS RESPECTIVOS PROPIETARIOS. SU USO EN ESTE DOCUMENTO NO CONSITUYE NINGUNA VULNERACIÓN DE SU MARCA COMERCIAL, NI TAMPOCO AFILIACIÓN O CONEXIÓN DE LOS PROPIETARIOS DE DICHA MARCA COMERCIAL CON MUSIC GROUP

# Airfree Independent and Efficiency Tests

## AIRFREE EFFICIENCY TESTS BY INDEPENDENT LABORATORIES, INSTITUTES AND UNIVERSITIES IN FOLLOWING COUNTRIES.

| Laboratory | Local | Reduction of Microorganisms | | |
|---|---|---|---|---|
| | | Fungus | Bacteria | Dust Mite alergens DerP-1 |
| Insect R&D Limited<br>june, 2005 | Laboratory | | | 70,6% to 97,95% |
| SGS Natec Institute*<br>Hamburgo/Germany<br>september to november, 2000 | Laboratory Office | 99% | 99% | |
| Technical Micronics Control<br>Huntesville/USA<br>april 28 to may 14, 1998 | Laboratory | 93% | 78% | |
| Univ. Complutense de Madrid<br>Madrid/Spain<br>october 21, 1997 | Clinical Laboratory | 80% | 73% | |
| AINIA<br>Valença Spain<br>june 9 to august 22, 2003 | Cold Chamber | 86% | | |
| INETI*<br>Lisbon/Portugal<br>january 13 to february 18, 1999 | Torre do Tombo Portuguese National Archive | 93% | 94% | |
| INETI*<br>Lisbon/Portugal<br>may 7 to june 18, 1999 | RTP Video Archive | 74% | 70% | |
| INETI*<br>Lisbon/Portugal<br>april 3 to may 5, 1998 | Bank Branch | 77% | | |
| Univ. Nova of Lisbon<br>june 5, 1998 | Laboratory | 90% | 62% | |
| Campana Laboratory/<br>São Paulo/Brazil<br>april 14 to april 29, 1999 | Chemical Laboratory | 99% | 83% | |
| INETI*<br>Lisbon/Portugal<br>november 12 to december 10, 2004 | Closed Environments | 98% | 87% | |
| INETI*<br>Lisbon/Portugal<br>march 19 to april 30, 2001 | Hotel Rooms | 92% | 82% | |

Above and other tests can be seen at our web site www.airfree.com

* Certified by ISO 17025



Airfree AIR PURIFIERS

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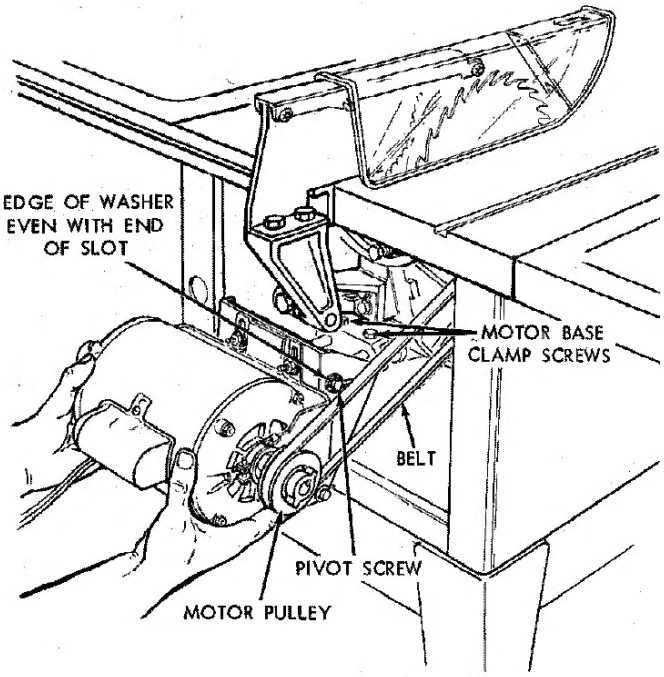
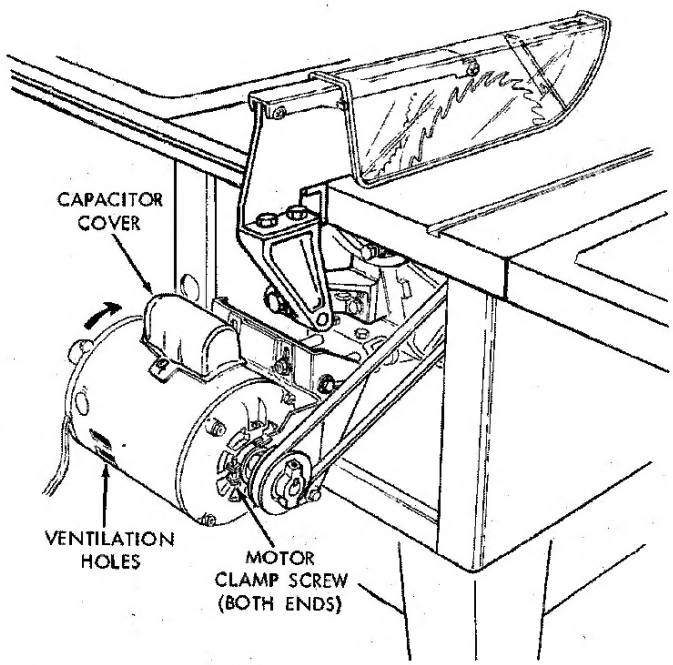
11. Lift motor and insert the TWO PINS on motor base into HOLES in cradle . . . push motor in as far as it will go.
12. Lower the blade . . .install belt on saw pulley and motor pulley.
13. Sight along edges of both pulleys and move motor pulley so that belt is parallel to the edges of both pulleys . . .tighten the setscrew in the motor pulley.
14. **IMPORTANT:** Measure the distance from end of motor shaft to pulley . . .mark this dimension down; you will need it later when reinstalling the pulley.
15. Make sure blade is 90° to table . . .raise it all the way up.
16. Lift motor until edge of washer is even with end of slot . . . tighten pivot screw. In this position, pull motor toward you (pins will slide out of cradle) until belt is TIGHT . . . tighten the two MOTOR BASE CLAMP SCREWS.
17. Loosen Pivot Screw slightly.
18. Lower the saw blade all the way down.
19. **IMPORTANT:** Motor should pivot freely downward as blade is lowered. If it does not, LOOSEN the PIVOT SCREW some more.
20. Pivot screw must be adjusted only tight enough to allow motor to pivot FREELY as blade is raised or lowered. This will maintain constant tension on belt.




21. Loosen the two MOTOR CLAMP SCREWS on each end of motor. Rotate the motor so that the CAPACITOR COVER is on top . . .tighten the screws. The ventilation holes are now facing downward which will help prevent sawdust from entering motor.



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4. Use the **MASTER VOL knob** to scroll through the characters.
   *The characters appear.*
5. Push the **MASTER VOL knob** to select the desired character.
6. Turn the **MASTER VOL knob** to move to the next character entry.
   *Continue selecting characters until the desired name is entered.*
7. Use the **MASTER VOL knob** to scroll to SAVE.
8. Push the **MASTER VOL knob** to select SAVE.
9. Repeat steps **3** through **8** to store additional customized user settings.
10. Select **EXIT** to return to the home screen.

**RECALL Menu**

The **Recall** menu allows you retrieve up to five customized user settings. Available options for this selection are: EXIT, 1, 2, 3, 4, and 5.

**Recalling customized user settings**

To **recall customized user settings**, do the following:

1. From the DSP menu, scroll to **RECALL.**
2. Push the **MASTER VOL knob** to select RECALL.
   *The recall screen appears.*
3. Push the **MASTER VOL knob** to select 1.
   *The selected item is loaded.*
4. Select **EXIT** to return to the home screen.

**BLUETOOTH**

The **Bluetooth** menu options are CONTROL APP and STREAMING.

**CONTROL APP Menu**

The **Control App** menu is used to enable the Quick**Smart** Mobile wireless control and monitoring application. Available options for this selection are: ON or OFF.
The default is *OFF*.

**Notice!**

Bluetooth® is available in select countries.

Contact your nearest Electro-Voice dealer or Electro-Voice distributor for more information.

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Bosch Security Systems, Inc. is under license. Other trademarks and trade names are those of their respective owners.

**Turning Bluetooth® ON or OFF**

To **turn Bluetooth® ON or OFF**, do the following:

1. From the DSP menu, scroll to **CONTROL APP**.
2. Select **ON**.
   OR
   Select **OFF**.

**STREAMING**

The **Streaming** menu is used to stream audio from your Bluetooth® enabled device via the loudspeaker system. Available options for this selection are: PAIRING, ON or OFF.
The default is *OFF*.

**Pairing the portable column system with your Bluetooth® enabled device**

To **pair the portable column system with your Bluetooth® enabled device**, do the following:

1. From the DSP menu, scroll to **STREAMING**.
2. Select **PAIRING**.
   *PAIRING mode enables 120 seconds of visibility to Bluetooth® enabled devices.*



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**TOWING TIPS**

We want every owner to be a safe and courteous driver. A few hours of towing practice in a large empty supermarket lot will make pulling your trailer over the road much easier. Line out two corners for left and right turns. You may also use these corners to practice backing and parking.

OBSERVE THAT THE TRACKS MADE BY THE TRAILER WHEELS ARE DISTINCTLY DIFFERENT FROM THOSE MADE BY THE TOW VEHICLE. Studying this will make it easier for you to correct mistakes. Truck or trailer type fender or door grip rear view mirrors are a must for maximum visibility and in most states the law requires them.

After thoroughly inspecting your hitch, brakes, and tires you should be ready to tow. Check traffic, signal that you are about to pull away, and start slowly. Look often in your mirrors, and observe the action of the trailer, then carefully move into the proper lane of traffic. Remember that the trailer wheels will not follow the path of the tow vehicle wheels; therefore, WIDER TURNS ARE NECESSARY WHEN TURNING TO THE LEFT OR TO THE RIGHT.

The BRAKE CONTROLLER is activated when you apply the brakes of the tow vehicle. Your tow vehicle brakes will automatically apply the trailer brakes first when properly adjusted. This will help keep your tow vehicle and trailer in a straight line and make you stop as if you were driving the tow vehicle alone. If swaying or swerving should occur, briefly operating the controller separate from the vehicle brakes may help correct the situation. Practice this maneuver on a clear highway or deserted parking lot. Don't wait for an emergency then grope for the controller.

When trallering you might encounter a temporary cooling system overload during severe conditions, such as hot days when pulling on a long grade, when slowing down after higher speed driving, or driving long idle periods in traffic jams. If the hot indicator light comes on, or the temperature gauge indicates overheating and you have your air conditioner turned on, turn it off. Pull over in a safe place and put on your emergency brake. Don't turn off the engine. Increase the engine idle speed. Lift the engine hood and check for fluid leaks at the radiator overflow outlet. Check to see that all drive belts are intact and the radiator fan is turning. If you have a problem have it fixed at the next opportunity. If there is no problem the light should go off or temperature should come down within one minute. Proceed on the highway a little slower. Ten minutes later resume normal driving.

**WARNING: Never open a radiator cap when the tow vehicle is hot. Check the coolant level when the vehicle is cool.**

When going downhill in dry weather, down shift so that engine compression will slow the whole rig down. Take dips and depressions in the road slowly and do not resume normal driving speeds until you are sure that the trailer wheels are clear of the dip.

**WARNING: On slippery pavement do not use engine drag to help slow down as this may cause the rear wheels of the tow vehicle to skid. On icy pavement drive slowly and if you feel the tow vehicle skidding gently apply the trailer brakes only. This will bring the tow vehicle and trailer back into a single line. Chains do not help trailer wheels.**

When driving in mud and sand let the momentum carry the rig through. Apply power gently and use as little as possible. Stay in the tracks of the vehicle ahead and keep the tow vehicle in the highest possible gear. If you get stuck it is best to tow out the entire rig together without unhitching.

Despite the best hitch you will notice that whenever a large bus or truck overtakes your rig the displaced air first pushes the trailer rear slightly to the right and then affects the front. It may be necessary to steer very slightly, momentarily, toward the bus or truck to help compensate for the sway induced by the passing-vehicle. Do not apply the vehicle brakes, as this can tend to exaggerate the situation. You may find, however, that briefly



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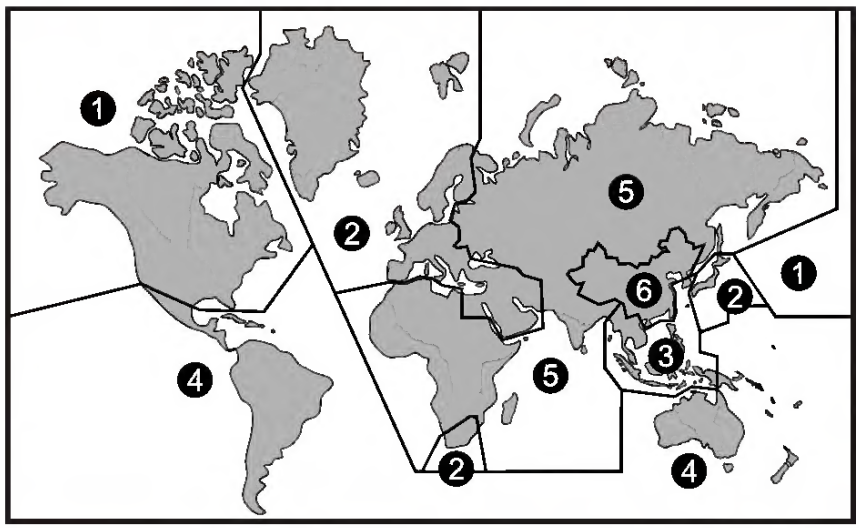


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Region 4- Australia, New Zealand, Latin America (including Mexico)

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**DVD Area Code**

The DVD player is preset to a region code at the factory depending on where the DVD player is sold. DVDs from a different region cannot be played in this unit and the unit will display "WRONG REGION"

**DVD Basics**

To get the optimum use out of the DVD section, make sure you read this section completely.



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